

FCF Sustaining Engineering (FCF)



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Engineering Team: ZIN Technologies, Inc.

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Objective:

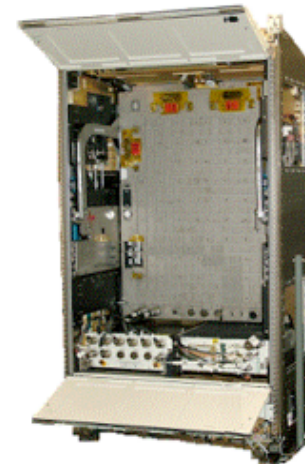
- ◆ Provide the sustaining engineering support for the CIR & FIR, along with Telescience Support Center maintenance & FCF On-orbit operations,
- ◆ Complete all FCF products that includes any remaining GIU activities, integration and operations products, TSC readiness, and Mission Integration Planning.
- ◆ Prepare the FCF flight units for launch that includes post-storage review and flight readiness reviews.

Relevance/Impact:

- ◆ Support strategic research on the ISS in support of the Exploration Initiative, as well as basic research.
- ◆ Provide telescience operations for the payload community in support of ISS operations.

Development/Operations Approach:

- ◆ Maintain the Prime Contractor workforce to assure development knowledge is retained for problem resolution.
- ◆ Complete operational products using the existing team.
- ◆ Advocate for the CIR & FIR to be the payloads of choice for ULF-2 & 17A, respectively.
- ◆ Minimize the Sustaining Engineering team by leveraging off of the new payload team members that retains key knowledgeable staff and periodic console staffing during operations.



FIR Flight Unit



CIR Flight Unit

Schedule

Key Milestones/Deliverables	Date
FIR FHA	5/2007
CIR FHA	6/2007
FIR & CIR GIU Acceptance	7/2008
Spares Completed	2/2008
Ops Readiness Review (CIR/MDCA/TSC)	10/2008
COFR	10/2008
Launch (CIR)	11/2008
MDCA On-Orbit Operations Begin	2/2009
Launch (FIR/LMM)	7/2009
LMM On-Orbit Operations Begin	9/2009